

An example of test output.

Windows cygwin gcc v3.4.4 ...

Run test\_dll\_app\_01

```
+ 0 Created : test_dll_01 global
+ 1 Registered atexit_funct: test_dll_01 global
+ 2 Created : test_dll_app_01 global
+ 3 Registered atexit_funct: test_dll_app_01 global
+ 4 Created : test_dll_app_01 local static
+ 5 Registered atexit_funct: test_dll_app_01 local
+ 6 Created : test_dll_01 local static do_it
+ 7 Registered atexit_funct: test_dll_01 local do_it
- 0 Destroyed: test_dll_01 global
- 7 Called atexit_funct: test_dll_01 local do_it
- 6 Destroyed: test_dll_01 local static do_it
- 5 Called atexit_funct: test_dll_app_01 local
- 4 Destroyed: test_dll_app_01 local static
- 2 Destroyed: test_dll_app_01 global
- 3 Called atexit_funct: test_dll_app_01 global
- 1 Called atexit_funct: test_dll_01 global
```

Run test\_dll\_app\_02

```
+ 0 Created : test_dll_app_02 global
+ 1 Registered atexit_funct: test_dll_app_02 global
+ 2 Created : test_dll_app_02 local static
+ 3 Registered atexit_funct: test_dll_app_02 local
Load test_dll_01 manually ...
+ 4 Created : test_dll_01 global
+ 5 Registered atexit_funct: test_dll_01 global
+ 6 Created : test_dll_01 local static do_it
+ 7 Registered atexit_funct: test_dll_01 local do_it
Unoad test_dll_01 manually ...
- 4 Destroyed: test_dll_01 global
- 7 Called atexit_funct: test_dll_01 local do_it
- 6 Destroyed: test_dll_01 local static do_it
- 5 Called atexit_funct: test_dll_01 global
- 3 Called atexit_funct: test_dll_app_02 local
- 2 Destroyed: test_dll_app_02 local static
- 0 Destroyed: test_dll_app_02 global
- 1 Called atexit_funct: test_dll_app_02 global
```

```
Run test_dll_app_02 -n (Do not unload DLLs)
+ 0 Created : test_dll_app_02 global
+ 1 Registered atexit_funct: test_dll_app_02 global
+ 2 Created : test_dll_app_02 local static
+ 3 Registered atexit_funct: test_dll_app_02 local
Load test_dll_01 manually ...
+ 4 Created : test_dll_01 global
+ 5 Registered atexit_funct: test_dll_01 global
+ 6 Created : test_dll_01 local static do_it
+ 7 Registered atexit_funct: test_dll_01 local do_it
- 4 Destroyed: test_dll_01 global
- 7 Called atexit_funct: test_dll_01 local do_it
- 6 Destroyed: test_dll_01 local static do_it
- 5 Called atexit_funct: test_dll_01 global
- 3 Called atexit_funct: test_dll_app_02 local
- 2 Destroyed: test_dll_app_02 local static
- 0 Destroyed: test_dll_app_02 global
- 1 Called atexit_funct: test_dll_app_02 global
```

```
Run test_dll_app_03
+ 0 Created : test_dll_01 global
+ 1 Registered atexit_funct: test_dll_01 global
+ 2 Created : test_dll_02 global
+ 3 Registered atexit_funct: test_dll_02 global
+ 4 Created : test_dll_app_03 global
+ 5 Registered atexit_funct: test_dll_app_03 global
+ 6 Created : test_dll_app_03 local static
+ 7 Registered atexit_funct: test_dll_app_03 local
+ 8 Created : test_dll_02 local static do_it
+ 9 Registered atexit_funct: test_dll_02 local do_it
+ 10 Created : test_dll_01 local static do_it
+ 11 Registered atexit_funct: test_dll_01 local do_it
- 0 Destroyed: test_dll_01 global
- 2 Destroyed: test_dll_02 global
- 11 Called atexit_funct: test_dll_01 local do_it
- 10 Destroyed: test_dll_01 local static do_it
- 9 Called atexit_funct: test_dll_02 local do_it
- 8 Destroyed: test_dll_02 local static do_it
- 7 Called atexit_funct: test_dll_app_03 local
- 6 Destroyed: test_dll_app_03 local static
- 4 Destroyed: test_dll_app_03 global
- 5 Called atexit_funct: test_dll_app_03 global
- 3 Called atexit_funct: test_dll_02 global
- 1 Called atexit_funct: test_dll_01 global
```

```
Run test_dll_app_04
+ 0 Created : test_dll_app_04 global
+ 1 Registered atexit_funct: test_dll_app_04 global
+ 2 Created : test_dll_app_04 local static
+ 3 Registered atexit_funct: test_dll_app_04 local
Load test_dll_02 manually ...
+ 4 Created : test_dll_01 global
+ 5 Registered atexit_funct: test_dll_01 global
+ 6 Created : test_dll_02 global
+ 7 Registered atexit_funct: test_dll_02 global
+ 8 Created : test_dll_02 local static do_it
+ 9 Registered atexit_funct: test_dll_02 local do_it
+ 10 Created : test_dll_01 local static do_it
+ 11 Registered atexit_funct: test_dll_01 local do_it
Unoad test_dll_02 manually ...
- 6 Destroyed: test_dll_02 global
- 4 Destroyed: test_dll_01 global
    8 [main] test_dll_app_04 2504 _cygtls::handle_exceptions: Exception:
STATUS_ACCESS_VIOLATION
    1658 [main] test_dll_app_04 2504 open_stackdumpfile: Dumping stack trace to
test_dll_app_04.exe.stackdump
```

```
Run test_dll_app_04 -n (Do not unload DLLs)
+ 0 Created : test_dll_app_04 global
+ 1 Registered atexit_funct: test_dll_app_04 global
+ 2 Created : test_dll_app_04 local static
+ 3 Registered atexit_funct: test_dll_app_04 local
Load test_dll_02 manually ...
+ 4 Created : test_dll_01 global
+ 5 Registered atexit_funct: test_dll_01 global
+ 6 Created : test_dll_02 global
+ 7 Registered atexit_funct: test_dll_02 global
+ 8 Created : test_dll_02 local static do_it
+ 9 Registered atexit_funct: test_dll_02 local do_it
+ 10 Created : test_dll_01 local static do_it
+ 11 Registered atexit_funct: test_dll_01 local do_it
- 6 Destroyed: test_dll_02 global
- 4 Destroyed: test_dll_01 global
    4 [main] test_dll_app_04 2748 _cygtls::handle_exceptions: Exception:
STATUS_ACCESS_VIOLATION
    1414 [main] test_dll_app_04 2748 open_stackdumpfile: Dumping stack trace to
test_dll_app_04.exe.stackdump
```

```
Run test_dll_app_05
+ 0 Created : test_dll_03 global
```

```
+ 1 Registered atexit_funct: test_dll_03 global
+ 2 Created : test_dll_app_05 global
+ 3 Registered atexit_funct: test_dll_app_05 global
+ 4 Created : test_dll_app_05 local static
+ 5 Registered atexit_funct: test_dll_app_05 local
+ 6 Created : test_dll_03 local static do_it
+ 7 Registered atexit_funct: test_dll_03 local do_it
Load test_dll_01 manually from test_dll_03 ...
+ 8 Created : test_dll_01 global
+ 9 Registered atexit_funct: test_dll_01 global
+ 10 Created : test_dll_01 local static do_it
+ 11 Registered atexit_funct: test_dll_01 local do_it
Unload test_dll_01 manually from test_dll_03 ...
- 8 Destroyed: test_dll_01 global
- 0 Destroyed: test_dll_03 global
  8 [main] test_dll_app_05 2428 _cygtls::handle_exceptions: Exception:
STATUS_ACCESS_VIOLATION
 1475 [main] test_dll_app_05 2428 open_stackdumpfile: Dumping stack trace to
test_dll_app_05.exe.stackdump
```

Run test\_dll\_app\_06

```
+ 0 Created : test_dll_app_06 global
+ 1 Registered atexit_funct: test_dll_app_06 global
+ 2 Created : test_dll_app_06 local static
+ 3 Registered atexit_funct: test_dll_app_06 local
Load test_dll_03 manually ...
+ 4 Created : test_dll_03 global
+ 5 Registered atexit_funct: test_dll_03 global
+ 6 Created : test_dll_03 local static do_it
+ 7 Registered atexit_funct: test_dll_03 local do_it
Load test_dll_01 manually from test_dll_03 ...
+ 8 Created : test_dll_01 global
+ 9 Registered atexit_funct: test_dll_01 global
+ 10 Created : test_dll_01 local static do_it
+ 11 Registered atexit_funct: test_dll_01 local do_it
Unload test_dll_01 manually from test_dll_03 ...
- 8 Destroyed: test_dll_01 global
UnLoad test_dll_03 manually ...
- 4 Destroyed: test_dll_03 global
  8 [main] test_dll_app_06 1900 _cygtls::handle_exceptions: Exception:
STATUS_ACCESS_VIOLATION
 1792 [main] test_dll_app_06 1900 open_stackdumpfile: Dumping stack trace to
test_dll_app_06.exe.stackdump
```

Run test\_dll\_app\_06 -n (Do not unload DLLs)

```
+ 0 Created : test_dll_app_06 global
```

```
+ 1 Registered atexit_funct: test_dll_app_06 global
+ 2 Created : test_dll_app_06 local static
+ 3 Registered atexit_funct: test_dll_app_06 local
Load test_dll_03 manually ...
+ 4 Created : test_dll_03 global
+ 5 Registered atexit_funct: test_dll_03 global
+ 6 Created : test_dll_03 local static do_it
+ 7 Registered atexit_funct: test_dll_03 local do_it
Load test_dll_01 manually from test_dll_03 ...
+ 8 Created : test_dll_01 global
+ 9 Registered atexit_funct: test_dll_01 global
+ 10 Created : test_dll_01 local static do_it
+ 11 Registered atexit_funct: test_dll_01 local do_it
Unload test_dll_01 manually from test_dll_03 ...
- 8 Destroyed: test_dll_01 global
- 4 Destroyed: test_dll_03 global
  8 [main] test_dll_app_06 2024 _cygtls::handle_exceptions: Exception:
STATUS_ACCESS_VIOLATION
 1434 [main] test_dll_app_06 2024 open_stackdumpfile: Dumping stack trace to
test_dll_app_06.exe.stackdump
```

Run test\_dll\_app\_07

```
+ 0 Created : test_dll_04 global
+ 1 Registered atexit_funct: test_dll_04 global
+ 2 Created : test_dll_app_07 global
+ 3 Registered atexit_funct: test_dll_app_07 global
+ 4 Created : test_dll_app_07 local static
+ 5 Registered atexit_funct: test_dll_app_07 local
+ 6 Created : test_dll_04 local static do_it
+ 7 Registered atexit_funct: test_dll_04 local do_it
Load test_dll_01 manually from test_dll_04 ...
+ 8 Created : test_dll_01 global
+ 9 Registered atexit_funct: test_dll_01 global
+ 10 Created : test_dll_01 local static do_it
+ 11 Registered atexit_funct: test_dll_01 local do_it
- 0 Destroyed: test_dll_04 global
- 8 Destroyed: test_dll_01 global
- 11 Called atexit_funct: test_dll_01 local do_it
- 10 Destroyed: test_dll_01 local static do_it
- 9 Called atexit_funct: test_dll_01 global
- 7 Called atexit_funct: test_dll_04 local do_it
- 6 Destroyed: test_dll_04 local static do_it
- 5 Called atexit_funct: test_dll_app_07 local
- 4 Destroyed: test_dll_app_07 local static
- 2 Destroyed: test_dll_app_07 global
- 3 Called atexit_funct: test_dll_app_07 global
- 1 Called atexit_funct: test_dll_04 global
```

```
Run test_dll_app_08
+ 0 Created : test_dll_app_08 global
+ 1 Registered atexit_funct: test_dll_app_08 global
+ 2 Created : test_dll_app_08 local static
+ 3 Registered atexit_funct: test_dll_app_08 local
Load test_dll_04 manually ...
+ 4 Created : test_dll_04 global
+ 5 Registered atexit_funct: test_dll_04 global
+ 6 Created : test_dll_04 local static do_it
+ 7 Registered atexit_funct: test_dll_04 local do_it
Load test_dll_01 manually from test_dll_04 ...
+ 8 Created : test_dll_01 global
+ 9 Registered atexit_funct: test_dll_01 global
+ 10 Created : test_dll_01 local static do_it
+ 11 Registered atexit_funct: test_dll_01 local do_it
UnLoad test_dll_04 manually ...
- 4 Destroyed: test_dll_04 global
- 8 Destroyed: test_dll_01 global
- 11 Called atexit_funct: test_dll_01 local do_it
- 10 Destroyed: test_dll_01 local static do_it
- 9 Called atexit_funct: test_dll_01 global
  4 [main] test_dll_app_08 2024 _cygtls::handle_exceptions: Exception:
STATUS_ACCESS_VIOLATION
 1477 [main] test_dll_app_08 2024 open_stackdumpfile: Dumping stack trace to
test_dll_app_08.exe.stackdump
```

```
Run test_dll_app_08 -n (Do not unload DLLs)
+ 0 Created : test_dll_app_08 global
+ 1 Registered atexit_funct: test_dll_app_08 global
+ 2 Created : test_dll_app_08 local static
+ 3 Registered atexit_funct: test_dll_app_08 local
Load test_dll_04 manually ...
+ 4 Created : test_dll_04 global
+ 5 Registered atexit_funct: test_dll_04 global
+ 6 Created : test_dll_04 local static do_it
+ 7 Registered atexit_funct: test_dll_04 local do_it
Load test_dll_01 manually from test_dll_04 ...
+ 8 Created : test_dll_01 global
+ 9 Registered atexit_funct: test_dll_01 global
+ 10 Created : test_dll_01 local static do_it
+ 11 Registered atexit_funct: test_dll_01 local do_it
- 4 Destroyed: test_dll_04 global
- 8 Destroyed: test_dll_01 global
- 11 Called atexit_funct: test_dll_01 local do_it
- 10 Destroyed: test_dll_01 local static do_it
```

- 9 Called atexit\_funct: test\_dll\_01 global  
7 [main] test\_dll\_app\_08 1900 \_cygtls::handle\_exceptions: Exception:  
STATUS\_ACCESS\_VIOLATION  
1720 [main] test\_dll\_app\_08 1900 open\_stackdumpfile: Dumping stack trace to  
test\_dll\_app\_08.exe.stackdump

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